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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/632,661

08/01/2003

Steven M. Casey

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Qwest Communications International Inc.  
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EXAMINER

TIMBLIN, ROBERT M

ART UNIT

PAPER NUMBER

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PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/632,661	<b>Applicant(s)</b> CASEY ET AL.	
	<b>Examiner</b> ROBERT TIMBLIN	<b>Art Unit</b> 2167	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 01 December 2008.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 10-17 and 26-30 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 10-17, 26-30 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

### **DETAILED ACTION**

This office action corresponds to application 10/632,661 filed 8/01/2003.

Claims 10-17 and 26-30 have been examined and are pending under prosecution.

#### ***Continued Examination Under 37 CFR 1.114***

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 12/1/2008 has been entered.

#### ***Response to Amendment***

Claims 10 and 11 have been amended, claims 23-25 have been cancelled, and claims 26-30 are newly added. Accordingly, claims 10-17 and 26-30 are pending as per the amendment filed 12/1/2008.

#### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 10, and 17, are rejected under 35 U.S.C. 102(b) as being anticipated by Elwahab et al. ('Elwahab' hereinafter) (U.S. Patent Application 2001/0034754 A1).

**With respect to claim 10**, Elwahab teaches a method for utilizing content objects by a content access point within a customer's premises, wherein the method comprises:

accessing a first content object (0024, API specification of a set of commands) from a first content object entity (20,12) within a customer's premises (abstract), wherein the first content object (0024, API specification of a set of commands) is in a first content format (0024, i.e. wherein the API specification is in a XML or flat text format) compatible with the first content object entity (20) and wherein the first content object is selected from a group consisting of a voicemail object, an email object, a video object, an audio object, a document object, and an Internet web page (0059; e.g. API specification may be in the form of a Markup-Language-type file or a flat text file to describe an Internet web page or document);

abstracting (0024) the data type of the first content object (0024, API specification of a set of commands) to create a second content object (28, 30) in an abstract format (0024 and figure 1; i.e. converting this API specification into a set of commands such as contained in a markup language-type page), wherein the abstract format (e.g. XML) is compatible with a plurality of content formats (30, 32; i.e. XML is a known standard for sharing information);

distinguishing (0023 and 0074, e.g. gaining access/controlling a specific computer) the data type of the second content object (markup language-type page) to create a third content object (i.e. a command with a smart device), wherein the third content object is compatible with a second content object entity (i.e. the markup language-type page is inherently distinguished to communicate with the respective smart devices of figure 1) within a customer's premises (abstract) wherein the third content object is selected from a group consisting of a voicemail object, an email object, a video object, an audio object, a document object, and an Internet web page, and wherein the third content object (0068; e.g. a command understood by the smart device may refer to a document) is different (abstract; e.g. specific to a device) from the first content format (0068; i.e. Elwahab discusses a Markup-language type page representing a device management message that is understood by the smart device to describe that the commands in markup format are communicated in a [different] format understood by the smart device); and

providing the third content object (i.e. a command with a smart device) to the second content object entity (smart devices of figure 1) and passing data to the smart device (0028; e.g. sending a command to a smart refrigerator).

**With respect to claim 17**, Elwahab teaches querying each of the first plurality of content object entities to identify a first plurality of content objects as discovery mode [0037];

and providing an access point (as a PC within the premises; [0062]), wherein the access point indicates the first plurality of content objects (commands, [0038]), and one

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or more of the second plurality of content object entities 120 to which each of the first plurality of content objects can be directed (i.e. smart devices).

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 11-14, 16, and 26-30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Elwahab as applied to claims 10, 17, and 23-25 above in view of Jeffrey (U.S. Patent 6,576,981).

**With respect to claim 11**, Elwahab teaches the limitations substantially the same as claims 1-10, and 17-19 presented above.

Elwahab fails to explicitly suggest or teach accessing a fourth content object from a third content object entity wherein the fourth content object is in a third content format compatible with the third content object entity, wherein the fourth content object is selected from a group consisting of a voicemail object, an email object, a video object, an audio object, a document object, and an Internet web page, and wherein the fourth content object is different from the first content format and the second content format; abstracting the fourth content object to create a fifth content object; and combining the

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fifth content object with the second content object, wherein the combination of the second and fifth content objects are distinguished to create the third content object.

Jeffrey, however, suggests these limitations by using a composite converter (col. 7 lines 14-35) for creating a composite video signal (col. 9 lines 53-55).

It would have been obvious to one of ordinary skill in the data processing art at the time of the present invention to combine the teachings of the cited references because combining the teachings of Jeffrey with Those of Elwahab would have provided the advantage of efficiently integrating broadcast and telecommunications signals from a variety of sources. A further advantage would be permitting interactive signal selection (col. 2 lines 16-30).

**With respect to claim 12**, Elwahab fails to teach these limitations.

Jeffrey, however, teaches wherein the first content object is a video object 106, and wherein the fourth content object is an audio object 104.

**With respect to claim 13**, Elwahab fails to teach these limitations.

Jeffrey, however, teaches wherein abstracting the first content object includes separating an audio portion from a video portion of the video object as signal separator 102.

**With respect to claim 14**, Elwahab teaches wherein the first content object is a video object, and wherein the fourth content object is an Internet object (Markup-

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language-Type content; [0015]). Elwahab fails to teach a video object whereas Jeffrey teaches a video object 106.

**With respect to claim 16**, the limitations of this claim are rejected substantially the same as those of claims 11-13 for being similar. Furthermore, Elwahab fails to teach removing a visual portion of the video object, and wherein the second content object includes an audio portion of the video object.

Jeffrey, however teaches this limitation as the function of signal separator to separate and audio/video signal.

It would have been obvious to one of ordinary skill in the data processing art at the time of the present invention to combine the teachings of the cited references because combining the teachings of Jeffrey with Those of Elwahab would have provided the advantage of efficiently integrating broadcast and telecommunications signals from a variety of sources. A further advantage would be permitting interactive signal selection (col. 2 lines 16-30).

**With respect to claim 26**, the method of claim 11, wherein the first content object entity is selected from a group consisting of an appliance control system, a telephone information system, a storage medium including video objects, a storage medium including audio objects, an audio stream source, a video stream source, a human interface, the Internet, and an interactive content entity (drawing reference 20 and 12; e.g. customer premises gateway (CPG)).



**With respect to claim 27**, the method of claim 26, wherein the second content object entity is selected from a group consisting of an appliance control system, a telephone information system, a storage medium including video objects, a storage medium including audio objects, an audio stream source, a video stream source, a human interface, the Internet, and an interactive content entity (0022, drawing reference 28, e.g. a user's laptop).

**With respect to claim 28**, the method of claim 27, wherein the first content object entity is different from the second content object entity (drawing references 12 and 28 describe different entities; e.g. a CPG and a laptop).

**With respect to claim 29**, the method of claim 27, wherein the third content object entity is selected from a group consisting of an appliance control system, a telephone information system, a storage medium including video objects, a storage medium including audio objects, an audio stream source, a video stream source, a human interface, the Internet, and an interactive content entity (fig. 1 smart devices).

**With respect to claim 30**, the method of claim 29, wherein the first content object entity is different from the second content object entity and the third content object entity (CPG, laptop, and smart devices are different).

Claim 15 is rejected under 35 U.S.C. 103(a) as being unpatentable over the combination of Elwahab and Jeffrey as applied to claims 11-14, and 16 above and further in view of Baer et al ('Baer' hereinafter) (U.S. Patent 6,611,840).

**With respect to claim 15**, the combination of Elwahab and Jeffrey fail to teach these limitations.

Baer, however teaches wherein the method further comprises: identifying a content object associated with one of the first plurality of content object entities that has expired (as an object entity expiration date; col. 13, lines 49-52); and removing the identified content object as removing content (abstract) for deleting and purging information.

It would have been obvious to one of ordinary skill in the data processing art at the time of the present invention to combine the teachings of the cited references because the teaching of Baer would have provided the combination of Elwahab and Jeffrey's invention a way to delete information not in use after expiration.

### ***Response to Arguments***

Applicant's arguments in the reply filed 12/1/2008 have been fully considered but they are not persuasive.

On pages 7-8 of the reply, Applicant substantially argues that Elwahab does not disclose the specific abstraction or distinction of such content as presented in claim 10.

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Examiner respectfully disagrees and submits the foregoing rejection in view of Elwahab addresses this aspect.

Specifically, under a new interpretation of the Elwahab reference, device specifications/commands are stored (in CPG 12, 20; a first content object entity) in a first format (e.g. markup or flat file format) and accessed as a second format (i.e. rendered into a markup language-type page 28). Thereafter, the specifications/commands are presented (i.e. distinguished) to the smart devices (third content object entities) in a format they understand (i.e. a third format).

The Examiner respectfully submits that the three content object entities as taught by Elwahab are distinct (e.g. a CPG, laptop, and smart devices). The Examiner further respectfully submits that, under an interpretation, the first and third content objects are different types of documents. For example, the device specifications/commands stored in the CPG are of flat file or markup language types. Further, once the specifications/commands are interpreted by the smart devices, they may be represented as commands (i.e. a 'document') different than what is presented to the user. The Examiner submits that in a reasonably broad interpretation of the meaning of document<sup>1</sup>, Elwahab supports the teachings of abstracting/distinguishing content of different types.

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<sup>1</sup> i.e. A document may be seen merely as a "collection or organization of data". With this interpretation, a command is a set of instructions (0028, Elwahab discloses a command including parameters), or collection/organization of data.

### ***Conclusion***

The prior art made of record and not relied upon is considered pertinent to Applicant's disclosure.

U.S. Patent 6,021,434 to Pizano. The subject matter disclosed therein pertains to the pending claims (i.e. audio/video extraction and formatting; e.g. figure 1).

U.S. Patent Application 2001/0031066 to Meyer et al. The subject matter disclosed therein pertains to the pending claims (i.e. file conversion on a user's premises; e.g. 0028 and figure 2).

U.S. Patent Application 2002/0051119 to Sherman et al. The subject matter disclosed therein pertains to the pending claims (i.e. editing/reformatting A/V tracks; see summary).

The following Non-Patent Literature (NPL) is considered pertinent to Applicant's disclosure:

Advanced MP3 Music Extractor 3 software.

<http://www.versiontracker.com/dyn/moreinfo/win/10155216>. Release date 2003-01-07.

The subject matter disclosed therein pertains to the pending claims (i.e. CD file manipulation and reformatting).

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***Contact Information***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert M. Timblin whose telephone number is 571-272-5627. The examiner can normally be reached on M-Th 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John R. Cottingham can be reached on 571-272-7079. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/ROBERT TIMBLIN/

Examiner, Art Unit 2167

/John R. Cottingham/

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